Name of Work: Construction of additional floor and Maintenance of Existing Building to Samudaya Bhavana at A K Colony in Ward No. 11,(Kodigehalli).

Sl. No	Details	unit	Nos	L	B	D	Qty	PWD Rate	Amount
1	2	3	4	5	6	7	8	9	10
1	Earth work excavation by manual means for drains,canals, waste weir draft, approach channels, key trench, foundation of Bridges and such similar works, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, excavated surface leveled and sides neatly dressed disposing off or leveling the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage & other appurtenances required to complete the work. In ordinary/soft rock without blasting upto 1.5 m depth (KPWD SR 2023-24, Volume-I, Item No.1.5.1, Page No.6)								
		Cum							
	For Sump		1	2.70	2.70	2.00	14.58		
	DRAIN DESILTING		2	265	0.75	0.5	198.75		
						Total Quantity	**213.33**	328.90	**70164.24**
	Rate Analysis								
	Basic rate in Rs.	299.00							
	Area Weitage @10%	29.90							
	Total Amount in Rs.	**328.90**							
2	Providing and laying in position plain cement concrete Mix 1:4:8(M5) Using 40 mm nominal size graded crushed coarse aggregates for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (KPWD SR 2023-24, V-I, Item No.2.1.2, Page No.15).								
		Cum							
	For Sump		1	2.50	2.50	0.15	0.94		
						Total Quantity	**0.94**	6230.40	**5841.00**
	Rate Analysis								
	Basic rate in Rs.	5664.00							
	Area Weitage @10%	566.40							
	Total Amount in Rs.	**6230.40**							
3	Providing and laying in position Cement Concrete for all Foundation works.The granite/trap/basalt crushed graded coarse aggregates and fine aggregatesas per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, costof all materials, quality confirming to the requirements of relevant IS codes,labour, Usage charges of machinery, curing and all the other appurtenancesrequired to complete the work as per technical specifications.. M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates) (PWD SR 20223-24 VOL 1, page No 15 I No 2.2.3)								
	SF COLUMNS		6	0.23	0.23	2.70	0.86		
							0.86		
	SF LINTEL		2	11.04	0.20	0.20	0.88		
			2	4.04	0.20	0.20	0.32		
		Cum					**1.21**		
	SF Beam	LW	3	12.84	0.20	0.45	3.47		
		SW	4	5.24	0.20	0.45	1.89		
		Cum					**5.35**		
	SF Roof		1	11.04	5.24	0.15	8.68		
		Cum					**8.68**		
	Staircase	waist slab	2	3.00	0.90	0.15	0.81		
	Steps	0.5	22	0.90	0.30	0.15	0.45		
		landing	1	1.80	1.20	0.15	0.32		
							1.58		
	Chejja		4	1.50	0.75	0.10	0.45		

		Cum					**0.45**		
	lintel HR		2	1.80	0.20	0.20	0.14		
			2	4.04	0.20	0.20	0.32		
			2	1.80	0.20	0.20	0.14		
			1	4.04	0.20	0.20	0.16		
							0.77		
	HR ROOF		1	4.04	1.80	0.15	**1.09**		
	SUMP SLAB		1	2.5	2.5	0.15	0.94		
							20.92	**6969.60**	**145836.00**
	BR	6336							
	Area weightage 10%	633.6							
	TOTAL	6969.6							
4	Supplying, fitting and placing TMT FE 550 / 550D Steel Reinforcement including cost of all materials, machinery, labour, cleaning, straightening, cutting, bending, hooking, laping/welding joints, tying with binding wire / soft annealed steel wire and other ancilary operations complete as per drawing and technical specification.(PWD SR 2023-24, VOL I, page No 18 I No 2.11a)								
	SF								
	COLUMNS			0.86	X	220	188.5356		
	Lintel			1.21	X	75	90.48		
	Beam			5.66	X	220	1244.936		
	roof			7.38	X	100	738.15		
	Staircase			1.58	X	100	157.95		
	Chejja			0.45	X	40	18		
	lintel			0.77	X	75	57.96		
		KG					**2438.05**	**98.40**	**239911.00**
	BR	89.457							
	Area weightage 10%	8.9457							
	TOTAL	**98.4027**							
5	Formwork , Centering for Columns 70% on Finished Concrete Item as per the PWD SR 2023-24, VOL I, Appendix I, P.NO-111,)								
	SF columns	Qty same AS RCC							
							0.86	**5068.80**	**4344.00**
		CUM							
	BR	6336							
	Centring cost 70%	4435.2							
	Area weightage 10%	633.6							
	TOTAL	**5068.8**							
6	Formwork , Centering for Lintel & Beams 60% on Finished Concrete Item as per the PWD SR 2023-24, VOL I, Appendix I,P.NO-112.,)								
	SF Lintel	Qty same AS RCC					1.21		
		CUM					**1.21**		
	SF Beam	Qty same AS RCC					**5.35**		
		Cum					**5.35**		
	lintel	Qty same AS RCC					0.77		
		SF					**7.33**	**4435.20**	**32521.00**
	BR	6336							
	Centring cost 60%	3801.6							

	Area weightage 10%	633.6							
	TOTAL	4435.2							
7	Formwork , Centering for Roof 70% on Finished Concrete Item as per the PWD SR 2023-24, VOL I, Appendix I,P.NO-112,)								
	SF Roof	Qty same AS RCC					8.68		
		CUM					**8.68**	**5068.80**	**43984.00**
	BR	6336							
	Centring cost 70%	4435.2							
	Area weightage 10%	633.6							
	TOTAL	5068.8							
8	Formwork , Centering for Chejja 45% on Finished Concrete Item as per the PWD SR 2023-24, VOL I, Appendix I,P.NO-112,)								
		SF Qty as same as chejja cc					0.45		
		CUM					**0.45**	**3484.80**	**1568.00**
	BR	6336							
	Centring cost 45%	2851.2							
	Area weightage 10%	633.6							
	TOTAL	3484.8							
9	Formwork , Centering for Staircase 50% on Finished Concrete Item as per the PWD SR 2023-24, VOL I, Appendix I,P.NO-112,)								
	SF	Qty same AS RCC					**1.58**		
		CUM					**1.58**	**3231.36**	**5104.00**
	BR	6336							
	Centring cost 50%	3168							
	Area weightage 10%	63.36							
	TOTAL	3231.36							
10	Providing & constructing load bearing wall with Solid Concrete blocks of size 400x200x200 mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications. (PWD SR 2023-24, VOL II, page No-17 I No 6.32)								
	SF								
	LW		2	11.04		2.70	59.62		
	SW		2	4.04		2.70	21.82		
	Parapet		1	32.56		1.00	32.56		
	HR		2	11.68		2.70	63.07		
	For Sump		2	2.50		1.85	9.25		
							186.31		
	Deduction	D	1	1.20		2.10	2.52		
	HR Door	d1	1	1.00		2.10	2.10		
		W	4	1.50		1.20	7.20		
							11.82		
		Sqm					**174.49**	**1441.00**	**251446.00**
	BR	1310							
	Area weightage 10%	131							
	TOTAL	1441							

11	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x150x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications. (PWD SR 2023-24, VOL II, page No-17 I No 6.33)								
	TF								
	WASH ROOMS LW		2	3.40		2.70	18.36		
	SW		3	1.60		2.70	12.96		
							31.32		
	Deduction	D2	2	0.90		2.10	3.78		
		V	2	0.60		0.60	0.72		
							4.50		
		Sqm					**26.82**	**1354.10**	**36317.00**
	BR	1231							
	Area weightage 10%	123.1							
	TOTAL	1354.1							
12	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to steel windows by welding.(PWD SR 2023-24, VOL II, page No 86 I No 11.34A)								
	SF	W	4	1.50		1.20	7.20		
		V	2	0.60		0.60	0.72		
							7.92		
		kg		7.92	X	30	**237.60**	**184.80**	**43908.00**
	BR	168							
	Area weightage 10%	16.8							
	TOTAL	184.8							
13	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item):With float glass panes of 8 mm thickness (weight not less than 20 kg/ m^2) including cost of materials, labour, usage charges of machinery complete as per specifications (PWD SR 2023-24, VOL II,page No 89 I No 11.37.3)								
	SF	W	4	1.50		1.20	7.20		
		V	2	0.60		0.60	0.72		
		m2					**7.92**	**1435.50**	**11369.00**
	BR	1305							
	Area weightage 10%	130.5							
	TOTAL	1435.5							
14	Providing Honne wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, usage charges complete as per specifications. (PWD SR 2023-24, VOL II, page No 99 I No 12.11)								
	0.15+.1.2+0.15+ 1.2+2.1+0.15+2. 1	D	1	7.05	0.15	0.15	0.16		
		m3					**0.16**	**151881.4**	**24092.00**
	BR	138074							
	Area weightage 10%	13807.4							
	TOTAL	151881.4							

15	Providing and fixing in position fully panelled Honne wood shutters for doors with stiles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and stiles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, usage charges complete as per specifications. (excluding cost of fixtures)) (PWD SR 2023-24, VOL II, page No 100 I No 12.15)								
		D	1	1.20		2.10	2.52		
		m2					**2.52**	**8188.40**	**20635.00**
	BR	7444							
	Area weightage 10%	744.4							
	TOTAL	8188.4							
16	Providing and fixing 1 mm thick M.S. sheet sliding-shutters, with frame and diagonal braces of 40x40x6 mm angle iron, 3 mm M.S. gusset plates at the junctions and corners, 25 mm dia pulley, 40x40x6 mm angle and T- iron guide at the top and bottom respectively, including applying a priming coat of approved steel primer including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge. (PWD SR 2023-24, VOL II, page No 77 I No 11.4)								
	HR	D1	1	1.00		2.10	2.10		
		Sqm					**2.10**	**5743.10**	**12061.00**
	BR	5221							
	Area weightage 10%	522.1							
	TOTAL	5743.1							
17	Providing & fixing factory made PVC Door frame of size 50x47mm with a wall thickness of 5mm, made out of extruded 5mm rigid PVC foam sheet metered cut at corners & jointed 2 No.s of 150mm long brackets of 15x15mm M.S Square tube, the entire door frame to be reinforced with 19x19mm M.S Square tube of 19 gauge. The door frame to be fixed to the wall using M.S. Screws of 65/80mm size complete as per manufacturers specification & direction of Engineer-in-charge. (PWD SR 2023-24, VOL II, page No 104 No12.54)								
	SF	D2	2	0.9			1.80		
			2	2.1			4.20		
		RMT					**6.00**	**349.80**	**2099.00**
	BR	318							
	Area weightage 10%	31.8							
	TOTAL	349.8							
18	Providing & fixing 30mm thick factory made rigid foam Prelam Panelled Door Shutters made from M.S. tube of 19x19mm, 19 gauge for stiles and 15x15mm for top & bottom rails, covered with heat moulded Prelaminated PVC C Channel of 5mm thick sheet & 30x50mm wide to form stiles & 5mm thick & 75mm wide Prelaminated PVC Sheets for top rail, lock rail & bottom rail on either side & 5mm thick, 20mm wide cross PVC sheet as gap insert for top rail & bottom rail, Panelling of 5mm thick PVC sheet Prelaminated on either side fitted in the M.S. frame, Sealed to the stiles & rails with PVC Designer beading on either side & joined together with solvent cement adhesive etc., Complete as per manufacturers specification &direction of Engineer-in-charge fixed to frames with 3 nos of 75mm Aluminium hinges. (PWD SR 2023-24, VOL II, page No 104 No 12.55.1)								
	SF	D1	1	1		2.1	2.10		
		Sqm					**2.10**	**2602.60**	**5465.00**
	BR	2366							
	Area weightage 10%	236.6							
	TOTAL	2602.6							
19	Providing 20 mm cement plaster of mix :1:4 (1 cement: 4 fine sand) to brick/stone masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per direc- tions of Engineer-in-charge. (PWD SR 2023-24, VOL II, page No 41 I No 8.3.1)								
	SF								

	Outside Wall		2	11.04		4.30	94.94		
			2	5.24		4.30	45.06		
	CHEJJA		8	1.5		0.75	9.00		
	TOILETS		2	5.4		4.30	46.44		
			3	1.6		4.30	20.64		
							216.09		
	Deduction	D	1	1.20		2.10	2.52		
		D2	2	0.90		2.10	3.78		
		W	4	1.50		1.20	7.20		
							13.50		
	HR		1	7.64		2.80	21.39		
			1	1.60		2.80	4.48		
			-1	1.00		2.10	-2.10		
							23.77		
		Sqm					**233.11**	**389.40**	**90773.00**
	BR	354.00							
	Area weightage 10%	35.4							
	TOTAL	389.40							
20	Providing 15 mm cement plaster on rough side of single or half brick wall finished with a floating coat of neat cement of mix: 1:4 (1 cement: 4 fine sand) to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge. (PWD SR 2023-24, VOL II, page No 42 I No 8.5.2)								
	SF Inside								
	LW		2	11.04		3.15	69.55		
	SW		2	4.04		3.15	25.45		
	TOILET		4	1.60		3.15	20.16		
	HW		2	4.04		3.15	25.45		
			2	1.80		3.15	11.34		
							151.96		
	DEDUCTION	D	1	1.2		2.10	2.52		
		D1	1	1		2.10	2.10		
		W	4	1.50		1.20	7.20		
		D1	2	0.75		2.10	3.15		
		V	2	0.60		0.60	0.72		
							15.69		
	HR		4	5.20		2.90	60.32		
			8	2.90		2.90	67.28		
			-1	1.20		2.10	-2.52		
	SUMP		4	2.50		2.00	20.00		
							145.08		
		Sqm					**281.35**	**383.90**	**108009.00**
	BR	349.00							
	Area weightage 10%	34.9							
	TOTAL	383.90							
21	Providing 12 mm cement plaster with Cement mortar 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer- in-charge. (PWD SR 2023-24, VOL II, page No 42 I No 8.6.1)								
	CEILING PLASTERING								
	HALL		1	11.04		4.04	44.60		
	TOILETS		2	2.70		1.60	8.64		
	Staircase waist slab		2	3.00		1.50	9.00		
		Sqm					**62.24**	**355.30**	**22114.00**
	BR	323.00							

	Area weightage 10%	32.3							
	TOTAL	355.30							
22	Providing and laying Vitrified tiles with thickness 9-10 mm in different sizes with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/ m2 including grouting the joint with white cement & matching pigments etc. complete. (PWD SR 2023-24, VOL II, page No 61 I No 9.17.2) Size of Tile 600x600 mm								
	SF								
	HALL		1	11.04		5.24	57.85		
							57.85	**1292.50**	**74771.00**
	BR	**1175.00**							
	Area weightage 10%	117.5							
	TOTAL	**1292.50**							
23	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick bed of cement mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/ m2 including pointing the joints with white cement and matching pigments etc., complete. (PWD SR 2023-24, VOL II, page No 60 I No 9.11)								
	SF								
	Toilet		2	2.70		1.60	8.64		
		Sqm					**8.64**	**1086.76**	**9390.00**
	BR	1076.00							
	Area weightage	10.76							
	TOTAL	**1086.76**							
24	Providing skirting, dadooing, rises of steps with colour glazed tiles 6mm thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over existing rough plaster surface using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. (PWD SR 2023-24, VOL II, page No 65 I No 9.39)								
	SF								
	Toilet		4	2.70		3.15	34.02		
			4	1.60		3.15	20.16		
			-2	0.90		2.10	-3.78		
		Sqm					**50.40**	**1593.90**	**80332.56**
	BR	1449.00							
	Area weightage 10%	144.9							
	TOTAL	1593.90							
25	Providing and laying flooring and steps fine dressed granite stone slabs 40 mm thick on cement mortar bed 1:6, 20 mm thick, and pointed with cement mortar 1:3 over existing cement concrete bed , including cost of materials, mortar, labour, curing complete as per specifications. (PWD SR 2023-24, VOL II, page No 63 I No 9.29)								
	SF staircase								
	treads		20	0.90	0.30		5.40		
	raises		21	0.90	0.15		2.84		
	LANDING		1	1.80	1.20		2.16		
							10.40	**4736.60**	**49237.00**
	BR	4306.00							
	Area weightage 10%	430.6							
	TOTAL	**4736.60**							

26	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade: New work (Two coats applied @ 1.43 ltr/10 m² over and including priming coat of exterior primer applied @ 2.20 kg/10 m²) with paint of approved quality to give an even shade, after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge. (PWD SR 2023-24, VOL II, page No 46 I No 8.31)									
	SF Outside PaintQty as same as outside plaster						233.11	233.11		
		Sqm						**233.11**	**195.80**	**45643.00**
	BR	178.00								
	Area weightage 10%	17.8								
	TOTAL	195.80								
27	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade :New work (two coats) over and including water thinnable priming coat with cement primer after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge. (PWD SR 2023-24, VOL II, page No 45 I No 8.25)									
	FF									
	Qty as same as inside plaster							281.35		
		Sqm						**281.35**	**150.70**	**42399.00**
	Qty as same as ceiling plaster							62.24		
		Sqm						**62.24**	**150.70**	**9380.00**
	BR	137.00								
	Area weightage	13.7								
	TOTAL	150.70						343.59		
28	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :Two coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge. (PWD SR 2023-24, VOL II,,P.NO-48), I.NO-8.41)									
	SF	W	4	1.50		1.20	7.20			
		V	2	0.60		0.60	0.72			
		D2	1	1.00		2.10	2.10			
							10.02			
		Sqm		10.02	X	5.00	**50.10**	**183.70**	**9203.00**	
	BR	167.00								
	Area weightage	16.7								
	TOTAL	183.70								
29	Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer. E.R.W. tubes including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineerin- Charge. (PWD SR 2023-24, VOL II, page No 84 I No 11.26.1)									
			2	3.00		0.90	5.40			
		Sqm					**5.40**			
				5.40	X	15.00	**81.00**	**151.80**	**12296.00**	
	BR	138.00								
	Area weightage 10%	13.8								
	TOTAL	151.80								

30	Providing and laying water proofing treatment to the Roof with PU based single component elastomeric pure polyurethane based coating on New terrace/Chajjas/Sunken portion of WC:Bathroom, cold applied PU wate proofing membrane that is highly elastic with elongation greater than 400% and tensile strength greater than 2MPa as per ASTM D412. The waterproofing membrane to be applied in 2coats @ 1.6 kg/m2 to achieve final DFT (Dry Film Thickness) of 1mm including prime coat of epoxy primer @150 g/m2 and protection with 120gsm Geo-textile over the waterproofing membrane. The finished cost to include surface preparation, making coving at Junction, Bore Packing, treatment of construction joints completely as per specification. (KPWD SR 2023-24, V-II, Item No.15.1, Page No.148)								
		Sqm							
	slab								
			1	11.04	5.24		57.85		
						Total Quantity	**57.85**	898.70	**51989.44**
	Rate Analysis								
	Basic rate in Rs.	817.00							
	Area Weitage @10%	81.70							
	Sub Total	**898.70**							
31	Providing and laying in position Cement Concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machinery, curing, and all the other appurtenances required to complete the work as per technical specifications. (KPWD SR 2023-24, V-I, Item No.2.1.6, Page No.15)								
		Sqm							
	Screed								
			1	11.04	5.24	0.15	8.68		
						Total Quantity	**8.68**	6867.30	**59590.58**
	Rate Analysis								
	Basic rate in Rs.	6243.00							
	Area Weitage @10%	624.30							
	Sub Total	**6867.30**							
32	Providing and laying 100mm thick pre-cast cover slabs over drains &Rain pit of width not exceeding 800 mm using M20 concrete reinforcedwith Micro Alloyed High carbon steel with 3mm - 3ply wired steel @ 2.00 kg/m2, slabs jointed in CM 1:3 proportion and nicely finished Includingproviding holes in the Cover slabs wherever necessary for easy drainageof surface water including of labour, materials, scaffolding, usage of machinery, curing, lead and lift charges etc, Complete. SR 2023-24 (Pg no-176, SI no-17.12, Vol 2)								
	missing slabs	Sqm	2	265.00	0.90		477.00		
			40% of total qty				190.80		
							190.80		
	Basic Rate	***928.00***							
	Area Weightage @ 10%	***92.80***							
	Total	***1020.80***							
	Total						**190.80**	**1020.80**	**194769.00**
33	**Loading and Unloading of Stone Boulder/Stone aggregates/Sand/Kankar/Moorum. (Tipper 5.5 m3) (PWD SR 2023-24 Vol-III Page No.5, Item No.1.1 (a))**								
	Qty Vide frm Item No-1	**Cum**					**213.33**		
	Basic rate	135.00							
	Area Weightage 10%	13.50							

	Total	**148.50**							
	Total						**213.33**	**148.50**	**31680.00**
33	**Cost of Haulage Excluding Loading and Unloading Taking output 10 t load and lead 10 km = 100 t.km (PWD SR 2023-24 Vol-III Page No.5, Item No.1.4 (a))**								
	Qty frm Item No-19	**t.Km**		213.33	1.28		**273.06**		
	Basic rate	12.00							
	8Km 12*8	96.00							
	Area Weightage 10%	9.60							
	Total	**105.60**							
	Total						**273.06**	**105.60**	**28836.00**
	ELECTRICAL WORK								
34	Supplying heavy gauge PVC conduit pipe ..... dia ..... mm thick confirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc , and fixing using inverted wood plugs in case of RCC ceiling and RCC wall/ stone structure or rawl plugs in case of brick walls and cement plastering the damaged portion using heavy gauge saddles at an interval of 700mm using NF screws.(PWD ESR 2023-24, VOL 6, page No 2 I No 1.1.2)								
			1	80			80		
		M					80	**89.10**	**7128.00**
	BR	81.00							
	Area weightage 10%	8.1							
	TOTAL	89.10							
35	Supplying heavy gauge PVC Conduit Pipe .... dia ..... mm thick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering upto the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever necessary. (PWD Electrical SR 2023-24 Item No: 1.2.2 P.No. 2)								
			1	80			80		
		M					80	**85.80**	**6864.00**
	BR	78.00							
	Area weightage 10%	7.8							
	TOTAL	85.80							
36	Supplying and fixing PVC/metal conduit Deep junction box 25 mm deep Junction box (PWD Electrical SR 2023-24 Item No: 1.5.2 P.No.3)								
			1	25			25		
		EACH					25	**61.60**	**1540.00**
	BR	56.00							
	Area weightage 10%	5.6							
	TOTAL	61.60							
37	Supplying And Fixing Metal Fan Box with Round Hook(PWD Electrical SR 2023-24 Item No: 1.13 P.No.4)								
			1	25			25		
		EACH					25	**128.70**	**3217.50**
	BR	117.00							
	Area weightage 10%	11.7							
	TOTAL	128.70							

38	Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using 2x1.5Sqmm (Phase & Neutral) & 1x1.0 sqmm (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet .Long point above 6Mtr upto 10Mtr from tapping point to out let via switch (PWD Electrical SR 2023-24 Item No: 2.1.3 P.No.5)								
			1	50			50		
		EACH					50	**957.00**	**47850.00**
	BR	870.00							
	Area weightage 10%	87							
	TOTAL	957.00							
39	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS- 694:2010 1.5MM2 (PWD Electrical SR 2023-24 Item No: 2.3.2 P.No.5)								
			1	50			50		
		M					50	**28.60**	**1430.00**
	BR	26.00							
	Area weightage 10%	2.6							
	TOTAL	28.60							
40	Supplying 6A flush type socket and 6 A flush type SP switch either surface/flush mounting in existing gang box or in 4mm thick plastic sheet and fixing over a flush mounted wooden box and wiring using necessary capacity wires as required as per IS 1293 and IS 38546A 3/5 Way (PWD Electrical SR 2023-24 Item No: 3.1.2 P.No.8)								
			1	12			12		
		EACH					12	**161.70**	**1940.40**
	BR	147.00							
	Area weightage 10%	14.7							
	TOTAL	161.70							
41	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 10-12 Way (PWD Electrical SR 2023-24 Item No: 3.4.6 P.No.8)								
			1	8			8		
		EACH					8	**350.90**	**2807.20**
	BR	319.00							
	Area weightage 10%	31.9							
	TOTAL	350.90							
42	Supplying 4mm thick plastic sheet with necessary nitches for fixing switches, regulators etc, and fixing on existing wooden or metal box using N.F. screws (PWD Electrical SR 2023-24 Item No: 3.8 P.No.9)								
			1	2000			2000		
		Cm2					2000	**0.45**	**902.00**
	BR	0.41							
	Area weightage 10%	0.041							
	TOTAL	0.45							

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43	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293Stepped Fan Regulator Two Module (PWD Electrical SR 2023-24 Item No: 3.6.4 P.No.9)								
			1	15			15		
		each					15	**392.70**	**5890.50**
	BR	357.00							
	Area weightage 10%	35.7							
	TOTAL	392.70							
44	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293.. -6A One Way Switch (PWD Electrical SR 2023-24 Item No: 3.6.7 P.No.9)								
			1	15			15		
		each					15	**198.00**	**2970.00**
	BR	180.00							
	Area weightage 10%	18							
	TOTAL	198.00							
45	Supply of round/square recess/surface mounted rolling type LED Down light with ..... W GU 10 LED Lamp Rib Fabricated from diecast aluminium with white powder coated prewired to mains connector & has swivelling unit of aluminium die cast eye ball & LED Lamp position retained by circular wire spring, with Life of 25000 burning hours & 70% lumen maintenance with CRI > 80. Power Input: 220-240V @50/60Hz & Power factor >0.9 along with CE approved. 2years Warranty against any manufacturing defect working under standard electrical condition LED square or round down light 15-18W (PWD Electrical SR 2023-24 Item No: 11.5.3 P.No.44)								
			1	18			18		
		each					18	**1838.10**	**33085.80**
	BR	1671.00							
	Area weightage 10%	167.1							
	TOTAL	1838.10							
46	Supplying of Ceiling Fan with Capacitor rating As per guideline of BEE 5 star rating and IS:374/19 and also comply with IS: 1709/1984 with latest amendment, Rated voltage 220 V/50 Hz, Rated power upto 35 W +/- 10 %, Rated current As per IS:374/19, Rated power factor 0.9 lagging(min), Rated speed 350 +/- 10% RPM, Rated air delivery 210 +/- 10% Cubic Meter Minimum, Rated service value 6.2 CMM / W, Three Blades of blade leaf 1.05 mm thick Aluminium Alloy sheet, Class B motor insulation, Bearing Two ball bearings, Top 6202, Bottom 6201, as per IS specification, Motor winding. Temp rise Shall not exceed 75 deg C over and ambient of 40 0C by resistance method at 245 V, Insulation resistance Shall not be less than Two Mega Ohms (2M Ohms), Leakage current Should not exceed 210 Micro Amp, Power input, W& current, Air Delivery & Fan Speed as per IS:374/2019 with latest amendment, 2year manufacturer Warranty. (BLDC fans)(PWD Electrical SR 2023-24 Item No: 6.4.2 P.No.30)56" Sweep 5 Star (1400 mm)								
			1	10			10		
		each					10	**4129.40**	**41294.00**
	BR	3754.00							
	Area weightage 10%	375.4							
	TOTAL	4129.40							
	plumbing work								

47	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall(PWD SR 2023-24, VOL 2, PG No-122, I.NO-13.32.1)15 mm nominal dia pipes								
			1	25			25		
		each					25	**339.90**	**8497.50**
	BR	309.00							
	Area weightage 10%	30.9							
	TOTAL	339.90							
48	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall(PWD SR 2023-24, VOL 2, PG No-122, I.NO-13.32.4)32 mm nominal dia pipes								
			1	25			25		
		each					25	**612.70**	**15317.50**
	BR	557.00							
	Area weightage 10%	55.7							
	TOTAL	612.70							
49	Providing and fixing white vitreous china pedestal type water closetb (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required :(PWD SR 2023-24, VOL 2, PG No-131, I.NO-14.2.1)W.C. pan with ISI marked white solid plastic seat and lid								
			1	2			2		
		each					2	**5321.80**	**10643.60**
	BR	4838.00							
	Area weightage 10%	483.8							
	TOTAL	5321.80							
50	Providing and installing at site of work P.V.C. pipes including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour charges and all lift charges, handling charges including encasing the pipe around to a depth not less than 15 cms with gravel or selected earth available from the excavation etc. complete.90mm(weight of pipe - 0.917 kg) (PWD SR 2023-24 Vol-V Page No.120, Item No.10.14.3)								
			1	20			20		
		each					20	**231.00**	**4620.00**
	BR	210.00							
	Area weightage 10%	21							
	TOTAL	231.00							
51	Providing and fixing white vitreous china wash basin including making all connections but including the cost of fittings (PWD SR 2023-24, VOL 2, PG No135, I.NO-14.25.6)								
			1	2			2		
		each					2	**1800.70**	**3601.40**

	BR	1637.00							
	Area weightage 10%	163.7							
	TOTAL	1800.70							
52	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank (PWD SR 2023-24, VOL 2, PG No123, It no 13.34)								
			2	2000			4000		
		ltr					4000	**9.90**	**39600.00**
	BR	9.00							
	BR	0.9							
	TOTAL	9.90							
								Sub total	**2116277.22**
53	Add 18 % GST								**380929.90**
55	missallanious & rounding off								**2792.88**
								NET TOTAL	**2500000.00**
	Rupees Twenty five lakhs Only/-								

Assistant Engineer
Ward No 11
Kodigehalli Sub Division

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP

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ಜ್ಞಾನಭಾರತಿ ವಿಭಾಗ
ಬೃ.ಬೆ.ಮ.ಪಾ., ಬೆಂಗಳೂರು

ADMINISTRATIVE SANCTION

Accorded for Rs. 25.00 Lakhs

Head of A/c. P-1878

Div. Ref. No. 61 Date 08/02/24

AE/DM EE(BTP) BBMP

Technical Sanction

Accorded For 25.00 Lakhs

Head of A/C. P-1878

CER NO : 95 Dt: 08/02/24